GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:5314
ANSWERED ON:29.04.2005
WIND ENERGY
Barad Shri Jashubhai Dhanabhai

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the norms for setting up wind energy system in the country;

(b) the actual expenditure likely to be incurred for setting up of the same;

(c) whether the Union Government is providing any assistance to the farmers for setting up of this system;

(d) whether it is mandatory for the farmer to get permission for the Union as well as State Government; and

(e) if so, the number of days normally taken for granting permission in this regard?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON- CONVENTIONAL ENERGY SOURCES(INDEPENDENT CHARGE) (SHRI VILAS MUTTEMWAR)

(a): The Ministry has been promoting utilization of wind energy by setting up of wind turbines for power generation and wind mills for water pumping applications. The wind turbines are normally installed in the areas having annual mean wind power density of 200 watt per squire metre or more at 50 metre height. Water pumping wind mills are installed in the areas having annual average wind speed of more than 10 Kilometers per hour.

(b): The expenditure for setting up of large capacity wind turbines varies from Rs. 4.0 crore to Rs.5.0 crore per megawatt and Rs. 2.0 lakh to Rs.2.5 lakh per kilowatt for small capacity systems upto 30 kilowatt. The expenditure in setting up of a water-pumping windmill varies from Rs. 50,000 to Rs. 2.40 lakh, depending upon the type of windmill.

(c): The Ministry is providing central financial assistance (CFA) to individual users including farmers up to 50% of the ex-works cost of wind turbines upto 30 kilowatt capacity, subject to a maximum of Rs. 1.25 lakh per kilowatt. The CFA for installation of water pumping windmills is upto 50% of ex-works cost, subject to a maximum of Rs. 20,000 to Rs. 45,000 per windmill, depending upon the type of windmills.

(d)&(e): No permission is required from the Union as well as State Governments for setting up of wind mills and small capacity wind turbines by farmers. However, the beneficiaries, including farmers, are required to approach the nodal agencies, implementing the programme of non-conventional energy sources in the respective states, for setting up of the above systems availing the CFA.